

Honorable Members of the Commission:

I would like to take this opportunity to register my opposition to providing Broadband Over Power Line service.

While on the surface it appears to satisfy a hunger for broadband service in an economical and universal way, it is fraught with many problems, including:

1. Power lines are as such not designed for communications. Since they are not designed for communications in the frequency ranges that have been discussed (MF/HF), they will both unintentionally radiate signals in the various radio services, (including the Amateur Service, and also be subject to interference from Radio Services in the same frequency ranges.
2. Since the power lines will radiate signals, they will definitely interfere with Amateur and other communications. It is impossible to imagine that there will not be stations within the Amateur service which will not be adversely affected. Will a power line communications provider be willing to potentially discontinue services to possibly thousands of users if interference to a particular Amateur station is proven? Somehow, I doubt it. Other services may be adversely impacted, but as Amateurs typically use very low transmit power (100 watts down to a few watts or even milliwatts) they have the most potential to be adversely affected.
3. Since the power line service will be a radiator, I believe there is a huge potential for Broadband Over Power Line users' personal communications to be monitored by others, at best out of curiosity, or at worse (perhaps even those with criminal intent) trying to extract personal information including Social Security numbers, credit card information, passwords to e-mail and corporate network accounts, etc.

The American Relay League has technical information available which should help satisfy the specific technical questions which will arise in the course of this proceeding. My opinion is that as the Broadband over Power Line is no substitute for systems designed for communications and closed against leakage, thus minimizing potential interference to radio communications.

Respectfully submitted,

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